

§ 301.93-9 Costs and charges.

The services of the inspector during normal business hours (8 a.m. to 4:30 p.m., Monday through Friday, except holidays) will be furnished without cost. The user will be responsible for all costs and charges arising from inspection and other services provided outside of normal business hours.

§ 301.93-10 Treatments.

Treatment schedules listed in part 305 of this chapter to destroy the Oriental fruit fly are approved for use on regulated articles. The following treatments can be used for bell pepper, citrus and grape, tomato, premises, and soil:

(a) *Fruits and vegetables*⁷—(1) *Bell Pepper*—(i) *Vapor Heat*. Heat by saturated water vapor at 44.4 °C. (112 °F.) until approximate center of bell pepper reaches 44.4 °C. (112 °F.). Maintain at 44.4 °C. (112 °F.) for 8¾ hours, then immediately cool.

(2) *Citrus and grapes*—(i) *Fumigation plus refrigeration*. Fumigate at normal atmospheric pressure (chamber or tarpaulin, load not to exceed 80%) with 32 g/m³ methyl bromide at 21 °C. (70 °F.) or above, minimum gas concentrations 25 g/m³ at ½ hour, 18 g/m³ at 2 or 2½ hours, 17 g/m³ at 3 hours. Fumigate for a minimum of 2 hours. Then, aerate fruit at least 2 hours before refrigeration (but begin refrigeration no more than 24 hours after fumigation is completed). Refrigerate based upon fumigation exposure time listed in the table below:

Fumigation exposure time	Refrigeration	
	Days	Temperature
2 hours	4	0.55–2.7 °C. (33–37 °F.)
	11	3.33–8.3 °C. (38–47 °F.)
2½ hours	4	1.11–4.44 °C. (34–40 °F.)
	6	5.0–8.33 °C. (41–47 °F.)
	10	8.88–13.33 °C. (48–56 °F.)
3 hours	3	6.11–8.33 °C. (43–47 °F.)
	6	9.88–13.33 °C. (48–56 °F.)

(ii) *Refrigeration plus fumigation*. Refrigerate for 21 days at 0.55 °C. (33 °F.)

⁷Some varieties of fruit may be injured by approved treatments. The USDA is not liable for damages caused by this quarantine. Commodities should be tested by the shipper to determine each commodity's tolerance before commercial shipments are attempted.

or below, then fumigate at normal atmospheric pressure (chamber or tarpaulin, load not to exceed 80%) with—

(A) 48 g/m³ (3 lb/1000 ft³) methyl bromide for 2 hours at 4.5 °C. (40–59 °F.), minimum gas concentration 44 g/m³ at ½ hour, 36 g/m³ at 2 hours; or

(B) 40 g/m³ (2½ lb/1000 ft³) methyl bromide for 2 hours at 15.5–20.5 °C. (60–69 °F.), minimum gas concentration 36 g/m³ at ½ hour, 28 g/m³ at 2 hours; or

(C) 32 g/m³ (2 lb/1000 ft³) methyl bromide for 2 hours at 21–26 °C. (70–79 °F.), minimum gas concentration 30 g/m³ at ½ hour, 25 g/m³ at 2 hours.

(3) *Tomato*—(i) *Fumigation*. Fumigate with methyl bromide at normal atmospheric pressure (chamber or tarpaulin, load not to exceed 80%) with 32g/m³ (2 lb/1000 ft³) for 3½ hours at 21 °C. (70 °F.) or above, minimum gas concentration 26 g/m³ at ½ hour, 14 g/m³ at 4 hours.

(ii) *Vapor heat*. Heat by saturated water vapor at 44.4 °C. (112 °F.) until approximate center of tomato reaches 44.4 °C. (112 °F.). Maintain at 44.4 °C. (112 °F.) for 8¾ hours, then immediately cool.

(b) *Premises*. A field, grove, or area that is located within the quarantined area but outside the infested core area, and that produces regulated articles, must receive regular treatments with either malathion or spinosad bait spray. These treatments must take place at 6-to 10-day intervals, starting a sufficient time before harvest (but not less than 30 days before harvest) to allow for completion of egg and larvae development of the Oriental fruit fly. Determination of the time period must be based on the day degrees model for the Oriental fruit fly. Once treatment has begun, it must continue through the harvest period. The malathion bait spray treatment must be applied by aircraft or ground equipment at a rate of 2.4 oz technical grade malathion and 9.6 oz of protein hydrolysate per acre. The spinosad bait spray treatment must be applied by aircraft or ground equipment at a rate of 0.01 oz of a USDA-approved spinosad formulation and 48 oz of protein hydrolysate per acre. For ground applications, the mixture may be diluted with water to improve coverage.

(c) *Soil*. Soil within the drip area of plants which are producing or have

produced the fruits, nuts, vegetables, and berries listed in § 301.93-2(a) of this subpart: Apply diazinon at the rate of 5 pounds active ingredient per acre to the soil within the drip area with sufficient water to wet the soil to at least a depth of ½ inch. Both immersion and pour-on treatment procedures are also acceptable.

[58 FR 8521, Feb. 16, 1993; 58 FR 29028, May 18, 1993; 67 FR 8465, Feb. 25, 2002; 69 FR 56159, Sept. 20, 2004; 70 FR 33268, June 7, 2005]

Subpart—Melon Fruit Fly

SOURCE: 65 FR 8636, Feb. 22, 2000, unless otherwise noted.

§ 301.97 Restrictions on interstate movement of regulated articles.

No person may move interstate from any quarantined area any regulated article except in accordance with this subpart.¹

[65 FR 8636, Feb. 22, 2000, as amended at 66 FR 21053, Apr. 27, 2001]

§ 301.97-1 Definitions.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service (APHIS) of the United States Department of Agriculture.

Certificate. A document in which an inspector or person operating under a compliance agreement affirms that a specified regulated article is free of melon fruit fly and may be moved interstate to any destination.

Compliance agreement. A written agreement between APHIS and a person engaged in growing, handling, or moving regulated articles, wherein the person agrees to comply with this subpart.

¹Any properly identified inspector is authorized to stop and inspect persons and means of conveyance and to seize, quarantine, treat, apply other remedial measures to, destroy, or otherwise dispose of regulated articles as provided in sections 414, 421, and 434 of the Plant Protection Act (7 U.S.C. 7714, 7731, and 7754).

Departmental permit. A document issued by the Administrator in which he or she affirms that interstate movement of the regulated article identified on the document is for scientific or experimental purposes and that the regulated article is eligible for interstate movement in accordance with § 301.97-4(d) of this subpart.

Dripline. The line around the canopy of a plant.

Infestation. The presence of the melon fruit fly or the existence of circumstances that makes it reasonable to believe that the melon fruit fly is present.

Inspector. Any employee of the Animal and Plant Health Inspection Service, U.S. Department of Agriculture, or other person authorized by the Administrator to enforce this subpart.

Interstate. From any State into or through any other State.

Limited permit. A document in which an inspector or person operating under a compliance agreement affirms that the regulated article identified on the document is eligible for interstate movement in accordance with § 301.97-5(b) of this subpart only to a specified destination and only in accordance with specified conditions.

Melon fruit fly. The insect known as the melon fruit fly, *Bactrocera cucurbitae* (Coquillett), in any stage of development.

Moved (move, movement). Shipped, offered for shipment, received for transportation, transported, carried, or allowed to be moved, shipped, transported, or carried.

Person. Any association, company, corporation, firm, individual, joint stock company, partnership, society, or other entity.

Plant Protection and Quarantine. Plant Protection and Quarantine, Animal and Plant Health Inspection Service, United States Department of Agriculture.

Quarantined area. Any State, or any portion of a State, listed in § 301.97-3(c) of this subpart or otherwise designated as a quarantined area in accordance with § 301.97-3(b) of this subpart.

Regulated article. Any article listed in § 301.97-2 or otherwise designated as a regulated article in accordance with § 301.97-2(e).